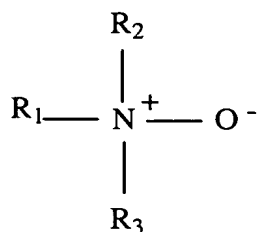


1. A detergent composition comprising a premix of an amine oxide surfactant having the formula:



wherein R₁ is selected from the group consisting of alkyl, hydroxyalkyl, acylamidopropyl, alkyl phenyl containing an average of at least 12 carbon atoms in the alkyl moiety, and mixtures thereof; wherein R₂ and R₃ are independently selected from the group consisting of C₁₋₃ alkyl, C₂₋₃ hydroxyalkyl, polyethylene oxide containing from 1 to 3 ethylene oxide units, a solvent, and mixtures thereof; wherein the solvent is selected from the group consisting of C₃ to C₁₀ alkylene diol, C₃ to C₁₀ polyalkylene diol, and mixtures thereof; and wherein the composition is in the form of a substantially anhydrous liquid, gel, and/or paste.

2. A detergent composition according to claim 1 wherein the amine oxide is selected from the group consisting of tetradecyl dimethyl amine oxide, hexadecyl dimethyl amine oxide, and mixtures thereof.
3. A detergent composition according to claim 2 wherein the solvent is selected from the group consisting of 1,4-cyclohexane dimethanol, 1,6-hexanediol, 1,7-heptanediol, dipropylene glycol, and mixtures thereof.
4. A detergent composition according to claim 1 further comprising a suds-suppressor.
5. A unit-dose detergent product in the form of a water-soluble pouch, capsule and/or sachet containing a detergent composition according to claim 1.

6. A detergent product in one or more of the following forms: multi-compartment pouch, capsule and/or sachet having at least two different compartments; wherein at least one of the compartments contains the detergent composition of claim 1, and wherein at least one other compartment contains a detergency bleach in solid form.
7. A detergent product in the form of a powder/liquid dual-compartment pouch, wherein the liquid compartment comprises a detergent composition according to claim 4 and the powder composition comprises a detergency bleach; and at least one of the following: suds suppresser and/or other liquid capable of acting as a binder for the powder composition.
8. A surfactant premix suitable for use in making the detergent composition of claim 1, the surfactant premix comprising an amine oxide surfactant and a solvent in a weight ratio of from about 5:1 to about 1:2.
9. A process for making a surfactant premix comprising an amine oxide surfactant and a solvent in a weight ratio of from about 5:1 to about 1:2 comprising the step of reacting a tertiary amine with an aqueous solution of at least about 40% by weight of hydrogen peroxide in the presence of solvent for the resulting amine oxide surfactant, wherein the tertiary amine and the hydrogen peroxide are in a molar ratio of from about 1:1 to about 2:1.
10. A process according to claim 9 wherein the level of solvent is adjusted such that the reaction mixture has a viscosity of less than about 30,000 mPa s⁻¹, as measured under process conditions.
11. A process for making a surfactant premix comprising an amine oxide surfactant and a solvent in a weight ratio of from about 5:1 to about 1:2 comprising the steps of:
 - a. mixing an aqueous solution of amine oxide with a solvent; and

- b. removing the water from the resulting mixture.
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- 12. A method of automatic dishwashing comprising delivering to an automatic dishwashing machine, a detergent product in one or more of the following forms: multi-compartment pouch, capsule and/or sachet having at least two different compartments; wherein at least one of the compartments contains the detergent composition of claim 1; and wherein at least one other compartment contains a detergency bleach in solid form.
 - 13. A method of automatic dishwashing comprising delivering to an automatic dishwashing machine, a detergent product in the form of a powder/liquid dual-compartment pouch, wherein the liquid compartment comprises a detergent composition according to claim 4 and the powder composition comprises a detergency bleach; and at least one of the following: suds suppresser and/or other liquid capable of acting as a binder for the powder composition.